

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				DocId Number (Optional) <b>136608-1</b>		Application Number <b>10/723,542</b>		
				Applicant(s) <b>Vandita Pat-Paranjape, et al.</b>				
				Filing Date <b>11/26/2003</b>		Group Art Unit <b>1756</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>kan</i>	1	5,648,197	07/15/1997	Kuroda	430	270.11	01/31/1996	
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>kan</i>	2	2002/0191517 A1	12/19/2002	Honda et al.	369	53.29	10/29/2001	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<b>OTHER DOCUMENTS</b>								
<i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
EXAMINER				DATE CONSIDERED				
<i>kan</i>				<i>2/6/06</i>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

[illegible]

<b>PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <b><u>LIST OF ITEMS</u></b>  (Use several sheets if necessary)			<b>Attorney's Docket Number</b> 136608-1		<b>Serial Number</b> 10/723,542	
			<b>Name of Applicant</b> Pal-Paranjape, et al.			
			<b>Filing Date</b> November 26, 2003		<b>Group</b> 1756	
<b>U.S. PATENT DOCUMENTS</b>						
* Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>lw</i>	4,699,510	10-13-1987	Alguard			
<i>lw</i>	5,137,364	8-11-1992	McCarthy			
<i>lw</i>	5,326,692	7-5-1994	Brinkley et al.			
<i>lw</i>	6,160,787	12-12-2000	Marquardt, Jr. et al.			
<i>lw</i>	6,219,329	4-14-2001	Kojima et al.			
<i>lw</i>	6,297,508	10-2-2001	Barmore et al.			
<i>lw</i>	6,514,617	2-4-2003	Hubbard et al.			
<i>lw</i>	6,638,593	10-28-2003	Seiinfreund et al.			
<i>lw</i>	6,707,539	03-16-2004	Seiinfreund et al.			
<i>lw</i>	US 2003/0012562	1-16-2003	Lawandy et al.			
<i>lw</i>	US 2005/0111342	5-26-2005	Morris et al.			
<b>EXAMINER6,</b> <i>[Signature]</i>				<b>DATE CONSIDERED</b> <i>7/6/06</i>		
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.</small>						

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/723,542
Filing Date	November 26, 2003
First Named Inventor	Pai-Paranjape, et al.
Art Unit	1756
Examiner Name	NYA
Attorney Docket Number	136608-1

Sheet

of

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		US- 3,635,895		01/18/1972	Kramer	
		US- 4,001,184		01/04/1997	Scott	
		US- 4,217,438		08/12/1980	Brunelle, et al.	
		US- 4,813,973		03/21/1989	Winnik, et al.	
		US- 5,030,697		07/09/1991	Hugl, et al.	
		US- 5,118,349		06/02/1992	Jalon	
		US- 5,128,419		07/07/1992	Fong, et al.	
		US- 5,142,018		08/25/1992	Sakashita, et al.	
		US- 5,151,491		09/29/1992	Sakashita, et al.	
		US- 5,430,277		07/04/1995	Ohno, et al.	
		US- 5,530,083		06/25/1996	Phelps, et al.	
		US- 5,573,909		11/12/1996	Singer, et al.	
		US- 5,616,674		04/01/1997	Michel, et al.	
		US- 5,925,716		07/20/1999	Fu, et al.	
		US- 5,966,456		10/12/1999	Jones, et al.	
		US- 6,091,563		07/18/2000	Thomas, III et al.	
		US- 6,251,680		06/26/2001	Fu, et al.	
		US- 6,355,420		03/12/2002	Chan	
		US- 6,365,904		04/02/2002	Graves	
		US- 6,380,547		04/30/2002	Gonzalez, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind <sup>5</sup> (if known)				
			DE 1011851		07/11/1957			
			DE 102 48 870	A1	04/29/2004			
			GB1 487 967		10/05/1977			
			EP 0 181 228	B1	07/11/1985			
			EP 0 608 078	A1	01/14/1994			
			EP 0 625 766	B1	05/18/1994			
			EP 0 698 419	B1	06/12/1994			
			EP 1 220 165	A3	10/12/2001			
			WO 00/77104	A1	12/21/2000			
			EP 0 648 798	A1	04/10/1994			

Examiner  
Signature

Date  
Considered

2/6/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.





This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
Application Number	10/723,542		
Filing Date	November 26, 2003		
First Named Inventor	Pai-Paranjape, et al.		
Art Unit	1756		
Examiner Name	NYA		
Attorney Docket Number	1366608-1		

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
[Handwritten signature]		US-	6,402,986	06/11/2002	Jones, II et al.	
		US-	6,559,270	05/06/2003	Siclován, et al.	
		US-	2002/0142236	10/03/2002	Iwasaki, et al.	
		US-	2003/0021998	01/30/2003	Hubbard, et al.	
		US-	2003/0052305	03/20/2003	Coates, et al.	
		US-	2003/0191952	10/09/2003	Anderson, et al.	
		US-	2005/0110978	05/26/2005	Potyrailo, et al.	
		US-	2005/0109983	05/26/2005	Pai-Paranjape, et al.	
		US-	2005/0112768	05/26/2005	Evans, et al.	
		US-	6,364,363	04/02/2002	Stober, et al.	
		US-	6,413,305	07/02/2002	Mehta, et al.	
		US-	6,610,351	08/26/2003	Shchegolikhin, et al.	
		US-	6,706,218	03/16/2004	Lucht, et al.	
		US-				
		US-				
	US-					
	US-					
	US-					
	US-					
	US-					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind <sup>5</sup> (if known)				
			WO 01/20591	A1	03/22/2001			
			WO 03/105075	A1	12/18/2003			
			GB 2 345 879	A	07/26/2000			
			GB 266,455		02/14/1924			

Examiner Signature		Date Considered	2/6/06
-----------------------	--	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

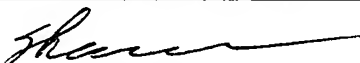
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/723,542
		Filing Date	November 26, 2003
		First Named Inventor	Pai-Paranjape, et al.
		Art Unit	1756
		Examiner Name	NYA
		Attorney Docket Number	136608-1
Sheet		of	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
W		JP09104679. Publication Date: 22-04-97. OXADIAZOLE DERIVATIVE AND ITS PRODUCTION. (Abstract Only)	
		International Search Report for International application No. PCT/US2004/039467. Mailed May 10, 2005	
		International Search Report for International application No. PCT/US2004/041349. Mailed April 11, 2005	
		International Search Report for International application No. PCT/US2004/037687. Mailed May 12, 2005	
		International Search Report for International application No. PCT/US2004/038667. Mailed June 2, 2005	
W		Cantrell, et al. "The SLIM Spectrometer" Anal. Chem. 2003, 75, 27-35	

Examiner Signature		Date Considered	2/6/06
--------------------	---	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

NOV 09 2004

ATTY DOCKET NO.

136608-1

APPLICATION NO.

10/723,542

APPLICANT(S)

Pai-Paranjape et al.

FILING DATE

November 26, 2003

GROUP ART UNIT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h	5,329,127	07-12-1994	Becker et al.	250	459.1	04-12-1993
	5,838,451	11-17-1998	McCarthy	356	406	08-15-1996
	6,219,329 B1	04-17-2001	Tanaka et al.	369	275.1	01-18-1991
	6,297,508 B1	10-02-2001	Barmore et al.	250	459.1	08-06-1999
h	6,589,626 B2	07-08-2003	Selinfreund et al.	428	64.1	03-09-2001

## U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h	2003/0152774 A1	08-14-2003	Cradic et al.	428	412	03-13-2003

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
h	EP 0438225 A1	07-29-1991	EPO	G11B	7/24		
	EP 0438225 B1	10-23-1996	EPO	G11B	7/24		
	EP 0648798 A1 Abstract	04-19-1995	EPO	C08G	75/18	✓	
	JP 3214438 Abstract	07-24-1991	Japan	G11B	7/24	✓	
h	WO 02/03106 A2	01-10-2002	WIPO	G02B			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

h	M.G. Baron et al., TEMPERATURE SENSING USING REVERSIBLE THERMOCHROMIC POLYMERIC FILMS; Sensors And Actuators B 90 (2003) 271-275

EXAMINER

*Shaw*

DATE CONSIDERED

2/6/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.  
136608-1

APPLICATION NO.  
10/723,542

Pai-Paranjape et al.

FILING  
November 26, 2003

GROUP ART

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>h</i>	WO 02/03386 A2	01-10-2002	WIPO	G11B	20/00		
<i>h</i>	WO 03/087888 A2	10-23-2003	WIPO	G02B			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Thore*

DATE CONSIDERED

*2/6/06*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

136608-1

SERIAL NO.

NYA

Pai-Paranjape et al.

FILING

Even Herewith

GROUP

NYA

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
by	4,238,524	12/09/1980	LaLiberte et al.	427	7	03/06/1978
	4,304,899	12/08/1981	Mark et al.	528	171	01/16/1980
	5,005,873	04/09/1991	West	283	92	04/07/1987
	5,201,921	04/13/1993	Luttermann et al.	8	506	09/06/1991
	5,314,072	05/24/1994	Frankel et al.	209	44.1	09/02/1992
	5,423,432	06/13/1995	Krutak et al.	209	577	05/05/1994
	5,461,136	10/24/1995	Krutak et al.	528	289	06/27/1994
	5,510,619	04/23/1996	Zachmann et al.	250	339.08	11/18/1994
	5,553,714	09/10/1996	Cushman et al.	209	577	11/14/1994
	5,703,229	12/30/1997	Krutak et al.	540	140	02/29/1996
by	5,959,065	09/28/1999	Heuschen et al.	528	198	08/05/1988

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
by	GB 2264558 A	01.09.1993	Great Britian	G01N 21	64	✓	
	GB 2330408 A	21.04.1999	Great Britian	B07C 5	342	✓	
	08-096508	12.04.1996	Japan	G11B 20	10	✓	
	08-138268	31.05.1996	Japan	G11B 7	26	✓	
by	WO 00/14736	16.03.2000	PCT	G11B 7	24	✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*[Signature]*

DATE CONSIDERED

2/6/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO.  
136608-1

SERIAL NO.  
NYA

Pai-Paranjape et al.

FILING  
Even Herewith

GROUP  
NYA

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ky	6,001,953	12/14/1999	Davis et al.	528	196	03/18/1999
	6,060,577	05/09/2000	Davis	528	196	03/18/1999
	6,072,011	06/06/2000	Hoover	525	464	11/29/1994
	6,099,930	08/08/2000	Cry et al.	428	64.1	12/15/1997
	6,143,839	11/07/2000	Webb et al.	525	439	09/14/1998
	US 6,296,911 B1	10/02/2001	Catarineu Guillen	428	29	01/20/1999
	US 6,475,588 B1	11/05/2002	Schottland et al.	428	64.1	08/07/2001
	US 6,475,589 B1	11/05/2002	Pai-Paranjape et al.	428	64.1	12/07/2001
	US 6,477,134 B1	11/05/2002	Stebbins et al.	369	272	11/23/1999
	US 6,514,617 B1	02/04/2003	Hubbard et al.	428	412	07/11/2001
ls	US 6,537,636 B1	03/25/2003	Wisnudel et al.	428	64.1	06/05/2000

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Thurman*

DATE CONSIDERED

*2/6/00*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO. 136608-1		SERIAL NO. NYA	
Pai-Paranjape et al.			
FILING Even Herewith		GROUP NYA	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>h</i>	US 6,607,814 B2	08/19/2003	Pickett et al.	428	212	07/18/2001
<i>h</i>	US 2002/0149003 A1	10/17/2002	Lucht et al.	252	408.1	01/10/2001

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>2/6/06</i>
--------------------------------	----------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.